Submittal requirements to obtain a building permit for.

DECK OVER 30" HIGH

	Completed two page application (make sure it is signed at the bottom of the page)
С	Permission from the township in the form of a checklist (signed and sealed)
D	Footer & framing plan
	Site plan (must contain setback dimensions in four directions)
	Proof of workman's compensation insurance, sole proprietor or religious exemption
	Driving directions
	8
	2 ec

- > After submitting all required documents your application will be reviewed.
- > CCIS will contact you with approval or denial within 2 weeks.
- > If approved, your permit will be issued and the inspections fees are due when you pick-up the permit.

Deck Plan Submittal Deck Size (overall dimensions): *Note: All fasteners Must Be Exterior Grade Railing: -Req'd if floor is 30" or more of the ground Constructed so no opening will allow a 4" sphere to pass through. Flooring: . Materials Size (nominal) . Floor Joists: Material Size (nominal) Spacing Cen. To Cen Clear Span Distance Carrier Beam: Material Size (nominal) ____ Spacing Cen. To Cen. Finish Grade Clear Span Distance Support Post: Material Size (nominal) Post Length Footer: Depth (below grade Size Thickness (6' minimum)

m	Residential Porch Handout
Revised 3-31-10 Exceptions:	Repair or replacement of any part of a porch or stoop that does not make load bearing support changes or changes to means of egress. Installation of an uncovered deck where the floor does not exceed 200 square feet in area, that
	is not more than 30" above grade measured at a point within 3 ft of the deck,
	are not attached to a dwelling and do not serve the exil door required by
	Section R311.4 is exempt from a building permit but may require a "use
m = 1	permit" from the municipality.
Table 301.2(1)	Minimum rafter/truss ground snow load is site specific or case study in many areas. Generally Blair Co. is not less than 30 lbs sq ft. and Bedford Co. is not
	less than 35 lbs sq ft. Minimum wind speed exposure is 90 mph.
Table 301.5	Deck minimum uniformly distributed live load is 40 lbs per sq ft.
	Guardrails and handrails live load applied in any direction is 200 lbs per sq ft. Landings at doors: The required egress door which swings out shall have a floor
311.3.1	or landing not lower than 1 ½" below the top of the threshold of the door, 7 ¾" if
	the door swings in The width of the landing shall be not less than the door served
	and at least 36" long measured in the direction of travel. Other exterior doors
	where a stairway of 2 or fewer stair risers is located on the exterior side of the
	door a landing is not required for the exterior side of the door provided the door
	does not swing over the stairway. 3 or more stair risers are required to have a
	landing listed above, no more than 7 ½" below the top of the inreshold.
311.7	Stairways min 36" wide - Riser height max 8 1/2" - Tread depth min. 9"
311.7.7	Handrails - Height 34" min./ 38" max., 1 1/4" min. diameter and 2" max. dia. shall
	be provided on at least one side of each continuous run of treads or flight with
	four or more risers. Handrail ends shall be returned or end in newel posts. Porches and landings located more than 30" above the grade below shall have
312.1	guards not less than 36" in height. Open sides of stairs more than 30" above the
-	grade below shall have guards not less than 34" in height measured vertically
	from the tread nosing
312.3	Guard openings shall be 4" max., 4 3/8" on the sides of stair treads, 6" by the
	triongle at the tread
317	All wood in contact with the ground supporting permanent structures or imbedded
	in concrete in direct contact with the ground that supports permanent structures
25	intended for human occupancy shall be approved pressure preservative treated
	wood suitable for ground contact. All fasteners must be listed for use with
	Pressure treated wood. Concrete porches, slabs and steps exposed to the weather shall be constructed
Table 401.4.1	of concrete having minimum compression strength of 3,500 psi.
506.1	Concrete slab-on-ground floors shall be a minimum of 3 ½" thick.
Table 403 1 &	2 AOS 1.1 Footings minimum size. All exterior walls shall be supported on
1 11010 405.1 0	continuous solid concrete footings or other approved situatinal systems, roomigs
	shall be on undisturbed natural soil or engineered fill. Concrete shall be 2000 psi
	minimum compression strength and at least 6" thick with 2" min projection.
403.1.4.1	The bottom of the concrete footer shall be at least 30" below limited grade.
	Foundation walls, piers and other permanent supports of buildings and structures

below frost line.

502.2.2 Decks supported by a dwelling shall be positively anchored to the primary structure and designed for loads as applicable.

shall be protected from frost by projecting below the 36" frost line.

Decks not supported by a dwelling need not be provided with footings that extend

Table 502.3.1(2) Floor Joist spans for common Lumber

Table 802.5.1(3) Rafter spans for common lumber.

STAIRS R311.5

Specifications - Minimum 36" wide between handrails.

Maximum 81/4" tread rise Minimum 9" tread depth

Variation -

Maximum of 3/8" in depth and height in any flight of stairs.

Risers – Stairs with solid risers shall have a maximum 9/16" radius of curvature of leading edge.

Nosing – The projection of nosing shall be a minimum of ¾" and a maximum of 1 ¼"

HANDRAILS R311.5.6

Requirement - Handrails are required on 4 or more risers.

Height - Minimum 34"

Maximum 38"

Minimum 1 1/2" from the wall

Round: Rail size 1 1/2" minimum and 2 5/8" maximum.

Not Round: 4" min. perimeter and 6 1/4" max. perimeter with max 2 1/4" cross section dimension.

<u>GUARDS</u>

Requirement – Guards are required where the floor surface is more than 30" above finished grade.

Height - Minimum 36" high

Rails - Shall not allow a 4" sphere to pass through.

Table 1 Minimum Beam Sizes

Lei	agth	1				÷							
of Span			Spaci	ng 1	oetwee:	ı po	sts (:	ft)					
Į It	1	4	l	5	1	6		7	I	8		9	10
Б	121	2x8s	(2)	2x8s	(2)	2x8s	(2)	2x10s	(2)	2x10s	(2)	2x10s	(2) 2x12s
7	(2)	2x1Ds	1121	2x10s	(2)	2x10s	(2)	2x10s	(2)	2x10s	(2)	2x12s	(2) 2x125
В		2x10s	(2)	2x10s	(2)	2x10s	(2)	2x12s	(2)	2x12s	(2)	2x12s	(3) 2x125
9	12)		(2)	2x10s	(2)	2x12s	(2)	2x12s	(2)	2x12s	(3)	2x12s	Ť
10	(2)	2x10s				2x12s						Ť	3
-	(2)					2x12s				Ť		Ŧ	ŧ
-	(2)					2x12s		2x12s		市		+	

^{*} Beams Larger than 2x12 recommended

Table 2 Minimum Post sizes

	Load Ar	ea (sq.	ft}=				
Height	beam sp	acing x	post a	pacing			
(ft)	48	72	96	120	.144		
up to 6	4×4	4x4	6x6	6 ×6	6x6		
up to B	6x6 .	6x6	6 x6	6 x 6	6x6		
Vertical loads	figured	as conc	entric	along	axis.		
No Lateral loads considered							

Table 3 Recommended Spans for spaced deck boards

	Spans	in Inche	25	*	
	Laid	Flat		Laid or	ı Edge
5/4x4	5/426	2x4	2x6	2x4	
16	16/24**	16	16/24**	48	
**Althou	igh 24 inches	is a saf	e span, undesirable		18
deflecti	on or spring	iness mav	occurr.		

Table 4 Maximum allowable

spans for deck joists Joist size Joist spacing (inches) 16 24 9'-9" 7'-11" 2x6 12"-10" 10'-6" 2x8 16'-5" 13'-4" 2x10

Table 5 Railings

Distance	Post	Cap					
between	size	° size					
posts	(inches)	(inches)					
2' to 3'	2x4	2×4					
3' to 4'	2x4, 4x4 °	· 2x4, 2x6	7.0				
	2x6, 4x4	2x6					
Side rails can		or 2"					
lumber of varying widths							
Tables are base	d on lumber wit	th 1200 psi bearing stre	SS				
	1 7 40 4	=					

rating and a live load of 40 psf.

